Local Investments Deployment and Demonstration (D&D) Data Documentation

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By U.S. Department of Energy (DOE), Office of the Under Ssecretary for Infrastructure

Title and Description

Dataset Version: DOE Local Investment D&D Data File Jan-2025

Brief Description: This dataset includes select Demonstration and Deployment (D&D) projects funded through the Infrastructure Investment and Jobs Act (IIJA) and/or Inflation Reduction Act (IRA)[1]. The projects are a subset of the publicly announced IIJA and IRA selected and awarded projects requiring community benefits plans and is intended to help the public find information about these projects in a single location. Information is based on data found in DOE public fact sheets or other public facing materials or approved by recipients; links to the factsheets are provided in the dataset where possible.

Spatial Extent and Resolution: United States of America; **Temporal Resolution:** Snapshot

The data file is provided in an excel format with two sheets: "Dataset" and "Full Programs List" with descriptions of the fields as follows:

Dataset Fields and Short Descriptions

Dataset Field	Description
Selectee/Awardee Name	Third party that applied to a DOE announcement and was either selected for award negotiations ('Selectee') or has completed at least one stage of award negotiations ('Awardee', collectively with selectee, the "Recipient")
Status	Phase of awarding for the project. *One from (6): Selected; Awarded; Phase 1 Awarded; Phase 1 and 2 Awarded; Conditional Commitment; Active*
Announcement Title	Title of the DOE funding opportunity for which a selectee applied.
Authority and Provision Number	Legislation (Infrastructure Investment and Jobs Act [IIJA] or Inflation Reduction Act [IRA]) and associated provision number authorizing the creation of the DOE opportunity.
Announcement Type	Type of DOE opportunity that was announced. *One from (10): Funding Opportunity Announcement (FOA); Incentive; Credit; Prize; Loan Guarantee; Direct Loan; Partial Loan Guarantee; Capacity Contract; Prize and Cooperative Agreement; Administrative and Legal Requirements Document or ALRD*
Project Name	Recipient's project name.
Project Description	Recipient's project description.

[1] Certain non-BIL and IRA Fossil Energy and Carbon Management projects are included.

Dataset Field	Description
Community/Workforce Agreements	Formal agreements between the recipients and third parties referenced in the selectee's CBP or in award securing project support or workforce. *Multiple from (6): Community Workforce Agreement; Collective Bargaining Agreement; Community Benefits Agreement; Project Labor Agreement (PLA); Tribal Agreement; Good Neighbor Agreement*
Does this project indicate that it has a community advisory board?	TRUE or FALSE on indicating the presence of a community advisory board or council.
Workforce Benefits	Commitments from the Recipient to workforce development. *Multiple form (8): Local Recruitment/Hiring; Apprenticeship; Inclusive Recruitment; Workforce Supports (Transport, Childcare, Other); Pre-apprenticeship; Training.*
Links to publicly available Community Benefits Plans or Summaries	Some recipients have made public their community benefit plans or summaries. For those that have, a link is provided.
Link to public fact sheets	Link to DOE published factsheets released at selection or awarding phase.
Named Partners	Other parties named in recipient in community benefits materials.
Project Type	Categorization of the project into types. *Multiple from (10): Workforce Development; Economic Development; Siting and Permitting; Deployment; Building Upgrades; Workforce Program; Research; Demonstration; FEED Study; Facility Upgrades*
Technology	Categorization of the project technology into types.
Federal Share	Dollar amount that DOE could award.
Program Office (Provision Lead)	DOE Office leading the opportunity announcement and provision management. *One from (8): EERE, GDO, OCED, FECM, SCEP, FEMP, MESC, LPO*
Location 1 Name	Name of the project location (ex. City, facility, village, etc.)
Location 1 Type	Category of the project location. *One from (15+): Airport; City; County; Higher Education Institution; Island; MSA; Park; Region; School; Town; Tribe; Village; Mine; Former Mine or Facility (e.g., Battery, Cement, Power Plant, Geothermal, Hydroelectric, Manufacturing, Oil Refinery, Paper, Steel, Recycling, Renewable, Retiring Coal, Storage, Tidal)*
City 1	City for project Location.
State 1	State for project Location.
County 1	County for project Location.
Multiple other locations: name, type, city, state, county 2-10	Many recipients have multiple locations for the projects. This space allows for up to 10 locations for a project.
Latitude 1-3	Location latitudes.
Longitude 1-3	Location longitudes.
Contact	DOE Office email address for questions pertaining to an announcement.

Important Notes on the data:

(1) We do our best to ensure the data release is useful, however we note that the data processing is complex. The data set is not comprehensive as it's limited to demonstration and deployment and public information; data elements are subject to change through the awarding process; data is generally based on public-facing highly general information at selection, and data may contain blanks and errors or may not be up –to date. Without ability to guarantee accuracy, the data is provided "as-is." Blanks in a data field may mean that data is not public or was not available at selection or award, rather than indicating a commitment was not made by a recipient.

(2) The data file and the website map may differ in information provided. The map shows more location points than latitudes and longitudes available in the data file, while at the same time the data file may have additional or updated information in other fields. For example, the data file includes additional projects like those that do not have a specific city or county location (only state) and therefore are not mapped by a point or may include additional materials and information not displayed in the map.

Full Program List Fields and Short Descriptions

"Full Program List" is a list of DOE provisions for IIJA and IRA funding. The projects in the map include a subset of the projects funded by these provisions. This excludes administrative and lab funding. This list is intended to help the reader understand the data in the context of the scope of the BIL and IRA legislations.

Dataset Field	Description
Authority	Flag to help filter on the Legislation (Infrastructure Investment and Jobs Act [IIJA] or Inflation Reduction Act [IRA])
Authority and Provision Number	Legislation and Provision Number
Provision Name	Title of the DOE funding opportunity for which a selectee applied.
Included in Dataset?	Yes, no or partial as to whether information for selectees or awardees from that provision are included.

Some Definitions:

Community/Workforce Agreements

- **Community Benefits Agreement:** A legally binding, enforceable agreement between a developer and community groups detailing the benefits provided to the community in return for support or non-opposition to a project. They are an emerging tool for communities to gain protections, investments and benefits related to energy and infrastructure projects. More information here.
- **Project Labor Agreement (PLA):** A PLA is a pre-hire collective-bargaining agreement between a construction employer or employers with one or more labor organizations that establishes the terms and conditions of employment typically for a specific construction project. PLAs are consistent with section 8 (f) of the National Labor Relations Act (29 U.S.C. 158(f)), which authorizes the use primarily in the building and construction industry.
- **Collective Bargaining Agreement:** An agreement that is consistent with the National Labor Relations Act (29 U.S.C. 151 et seq.).
- **Community Workforce Agreement (CWA):** A CWA is a formal labor agreement between an employer and a union or unions representing workers that includes community and equity provisions.
- **Community Advisory Board (CAB):** A CAB is a mechanism to convene the community to provide guidance and accountability to, and in some cases decision-making for, a project, initiative, program, or policy. CABs can provide projects with a layer of accountability, helping to develop transparency on project decisions, which can lead to

greater trust and mutual understanding between communities and developers. More information: here.

Project Type

- **Demonstration**: Initiative that tests a product in a real-world setting to assess its feasibility.
- **Deployment**: Construction element, deploying technology.
- **Facility Upgrades**: Any building retrofit, upgrade, electrification (not including new technology or auto-conversion).
- **FEED Study:** Front-end engineering and design (FEED) process, which is a pre-project planning activity that produces technical documents, confirms product specifications, clarifies the project scope, and estimates the approximate project cost.